The State of New Hampshire
*Department of Environmental Services*

**Michael P. Nolin**
Commissioner

# AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

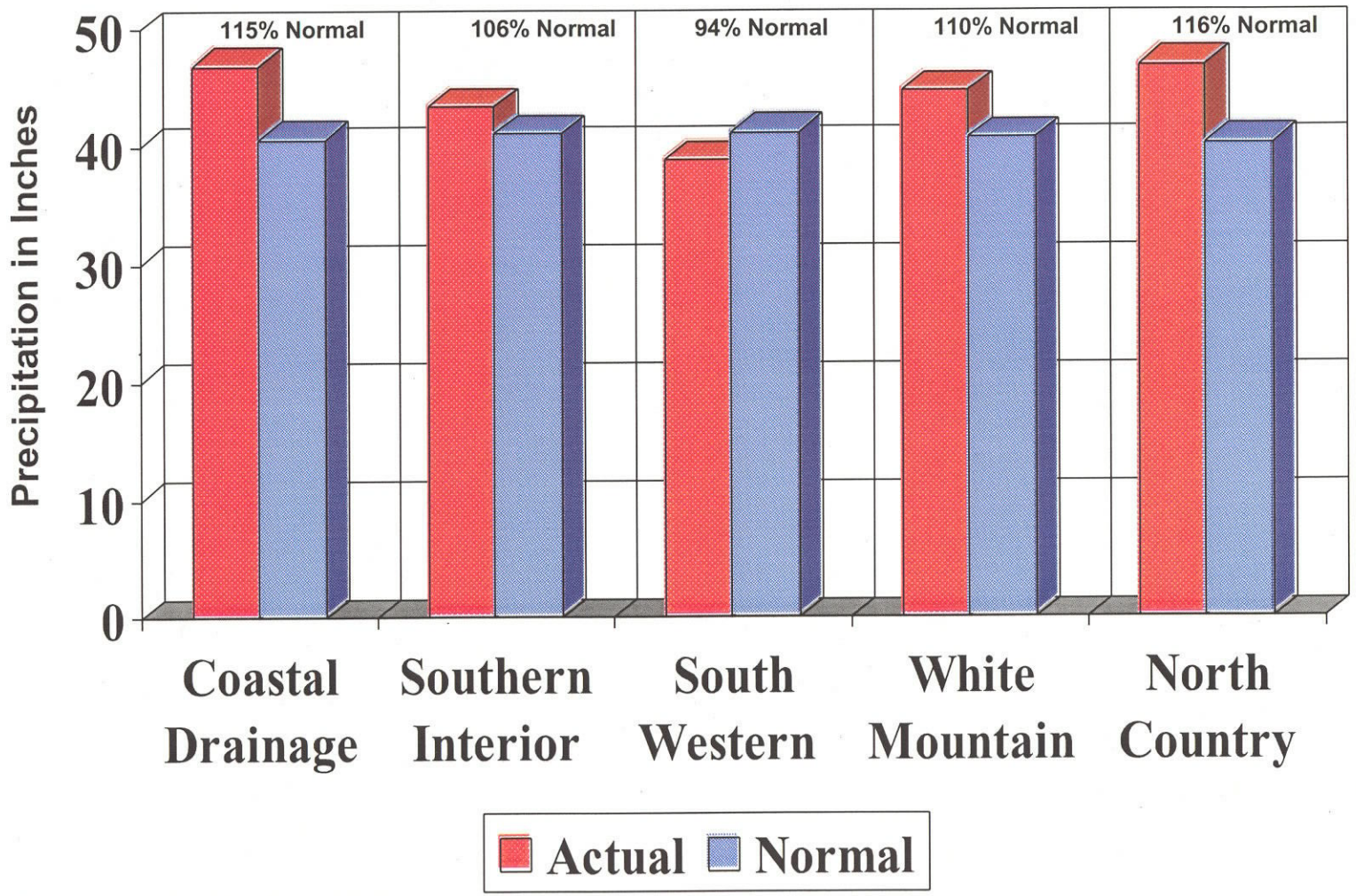
| | Actual Rainfall (inches) | Normal Rainfall (inches) | Deviation from Normal (inches) | Percent of Normal |
|---|---|---|---|---|
| Coastal Drainage: Rockingham, Strafford counties | | | | |
| four month | 12.07 | 12.72 | -0.66 | 95% |
| six month | 20.42 | 20.74 | -0.33 | 98% |
| nine month | 37.69 | 30.98 | 6.71 | 122% |
| twelve month | 46.83 | 40.56 | 6.27 | 115% |
| Southern Interior: Belknap, Hillsborough, Merrimack counties | | | | |
| four month | 10.20 | 12.83 | -2.62 | 80% |
| six month | 18.50 | 20.72 | -2.22 | 89% |
| nine month | 34.86 | 31.11 | 3.75 | 112% |
| twelve month | 43.37 | 41.08 | 2.29 | 106% |
| South Western: Cheshire, Sullivan counties | | | | |
| four month | 7.77 | 12.84 | -5.07 | 61% |
| six month | 15.78 | 20.42 | -4.64 | 77% |
| nine month | 30.85 | 30.98 | -0.13 | 100% |
| twelve month | 38.84 | 41.18 | -2.34 | 94% |
| White Mountain: Carroll, Grafton counties | | | | |
| four month | 7.26 | 11.90 | -4.64 | 61% |
| six month | 17.66 | 19.40 | -1.75 | 91% |
| nine month | 34.92 | 29.92 | 5.00 | 117% |
| twelve month | 44.65 | 40.66 | 3.99 | 110% |
| North Country: Coos county | | | | |
| four month | 6.95 | 11.00 | -4.05 | 63% |
| six month | 18.49 | 17.92 | 0.57 | 103% |
| nine month | 34.48 | 28.80 | 5.68 | 120% |
| twelve month | 46.79 | 40.24 | 6.55 | 116% |

four month period : Jan 2004 - April 2004
six month period : Nov 2003 - April 2004
nine month period : Aug 2003 - April 2004
twelve month period: May 2003 - April 2004

Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964
DES Web site: **www.des.nh.gov**

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from May 2003 through April 2004




NH DES Dam Bureau, Northeast River Forecast Center

# MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

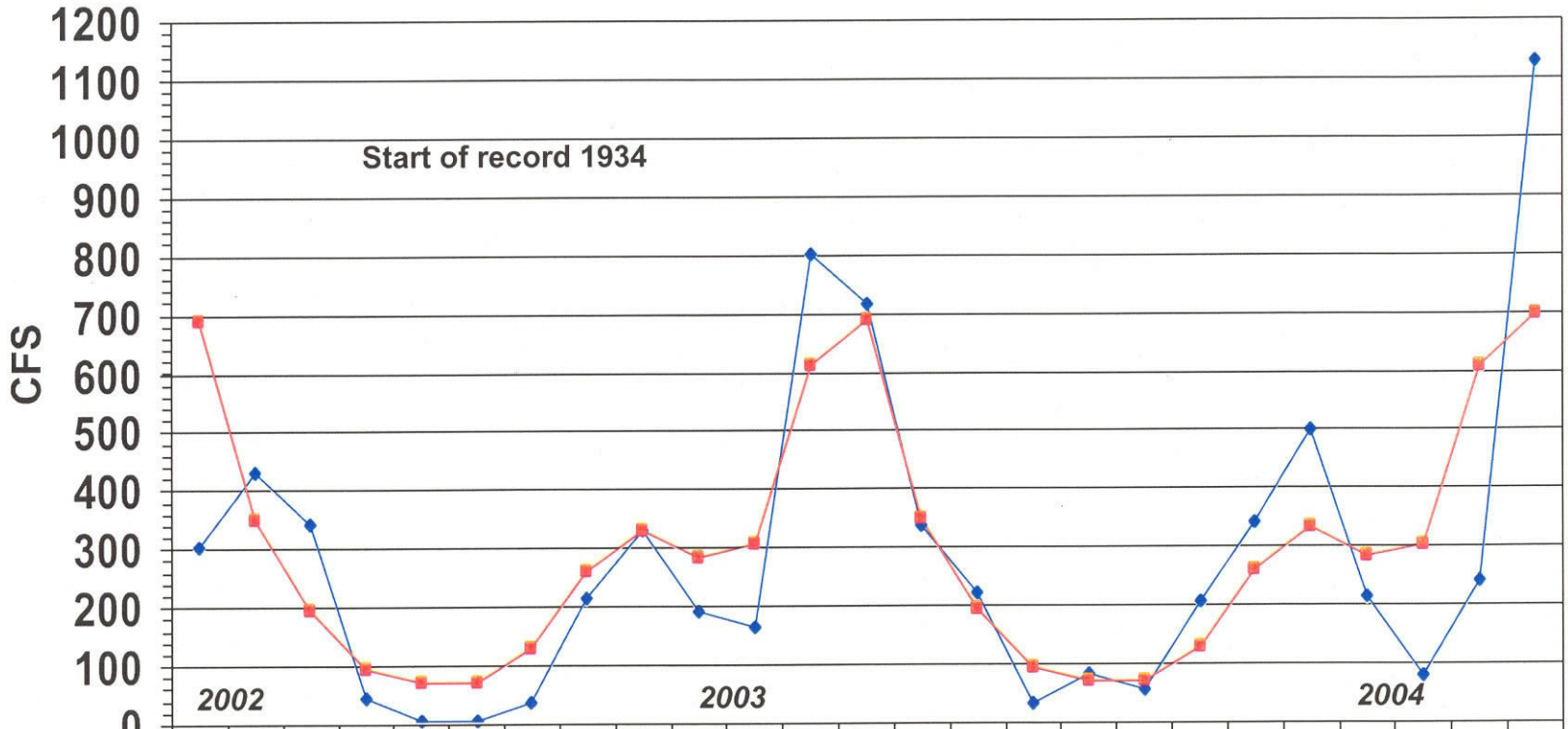
| | | 2003 MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC | 2004 JAN | FEB | MARCH | APRIL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coastal drainage | | | | | | | | | | | | | |
| STRAFFORD | actual | 4.21 | 2.88 | 1.90 | 5.77 | 5.69 | 5.63 | 2.56 | 5.64 | 0.70 | 1.34 | 1.50 | 8.23 |
| | normal | 3.28 | 3.04 | 3.12 | 3.28 | 3.32 | 3.48 | 4.12 | 3.76 | 3.12 | 2.72 | 3.20 | 3.40 |
| | deviation | 0.93 | -0.16 | -1.22 | 2.49 | 2.37 | 2.15 | -1.56 | 1.88 | -2.42 | -1.38 | -1.70 | 4.83 |
| ROCKINGHAM | actual | 4.47 | 2.88 | 1.95 | 7.66 | 4.64 | 5.15 | 2.83 | 5.67 | 1.00 | 1.25 | 1.67 | 8.44 |
| | normal | 3.40 | 3.12 | 3.20 | 3.44 | 3.40 | 3.56 | 4.24 | 3.92 | 3.32 | 2.84 | 3.40 | 3.44 |
| | deviation | 1.07 | -0.24 | -1.25 | 4.22 | 1.24 | 1.59 | -1.41 | 1.75 | -2.32 | -1.59 | -1.73 | 5.00 |
| Average | actual | 4.34 | 2.88 | 1.93 | 6.72 | 5.17 | 5.39 | 2.70 | 5.66 | 0.85 | 1.30 | 1.59 | 8.34 |
| | normal | 3.34 | 3.08 | 3.16 | 3.36 | 3.36 | 3.52 | 4.18 | 3.84 | 3.22 | 2.78 | 3.30 | 3.42 |
| | deviation | 1.00 | -0.20 | -1.24 | 3.36 | 1.81 | 1.87 | -1.49 | 1.82 | -2.37 | -1.49 | -1.72 | 4.92 |
| Southern Interior | | | | | | | | | | | | | |
| HILLSBOROUGH | actual | 4.41 | 2.78 | 1.73 | 5.81 | 4.64 | 4.33 | 2.45 | 5.63 | 1.00 | 1.20 | 1.39 | 8.25 |
| | normal | 3.52 | 3.36 | 3.32 | 3.68 | 3.60 | 3.72 | 4.32 | 4.16 | 3.60 | 3.16 | 3.88 | 3.56 |
| | deviation | 0.89 | -0.58 | -1.59 | 2.13 | 1.04 | 0.61 | -1.87 | 1.47 | -2.60 | -1.96 | -2.49 | 4.69 |
| MERRIMACK | actual | 4.64 | 2.01 | 2.52 | 7.38 | 5.39 | 4.65 | 2.62 | 5.83 | 0.74 | 1.18 | 1.40 | 7.36 |
| | normal | 3.36 | 3.20 | 3.28 | 3.44 | 3.36 | 3.44 | 4.00 | 3.92 | 3.16 | 2.84 | 3.40 | 3.36 |
| | deviation | 1.28 | -1.19 | -0.76 | 3.94 | 2.03 | 1.21 | -1.38 | 1.91 | -2.42 | -1.66 | -2.00 | 4.00 |
| BELKNAP | actual | 3.77 | 1.58 | 2.10 | 7.73 | 4.77 | 4.38 | 3.09 | 5.26 | 0.47 | 0.76 | 1.06 | 5.80 |
| | normal | 3.28 | 3.16 | 3.44 | 3.28 | 3.36 | 3.28 | 3.80 | 3.48 | 2.92 | 2.44 | 2.92 | 3.24 |
| | deviation | 0.49 | -1.58 | -1.34 | 4.45 | 1.41 | 1.10 | -0.71 | 1.78 | -2.45 | -1.68 | -1.86 | 2.56 |
| Average | actual | 4.27 | 2.12 | 2.12 | 6.97 | 4.93 | 4.45 | 2.72 | 5.57 | 0.74 | 1.05 | 1.28 | 7.14 |
| | normal | 3.39 | 3.24 | 3.35 | 3.47 | 3.44 | 3.48 | 4.04 | 3.85 | 3.23 | 2.81 | 3.40 | 3.39 |
| | deviation | 0.89 | -1.12 | -1.23 | 3.51 | 1.49 | 0.97 | -1.32 | 1.72 | -2.49 | -1.77 | -2.12 | 3.75 |
| South Western | | | | | | | | | | | | | |
| CHESHIRE | actual | 3.85 | 2.11 | 2.17 | 5.72 | 4.90 | 3.11 | 2.85 | 4.39 | 0.83 | 0.94 | 1.13 | 4.92 |
| | normal | 3.44 | 3.44 | 3.28 | 3.68 | 3.52 | 3.36 | 3.84 | 3.76 | 3.28 | 2.80 | 3.48 | 3.40 |
| | deviation | 0.41 | -1.33 | -1.11 | 2.04 | 1.38 | -0.25 | -0.99 | 0.63 | -2.45 | -1.86 | -2.35 | 1.52 |
| SULLIVAN | actual | 3.79 | 1.88 | 2.18 | 6.08 | 5.67 | 4.66 | 3.49 | 5.29 | 0.68 | 1.11 | 1.14 | 4.79 |
| | normal | 3.56 | 3.36 | 3.32 | 3.64 | 3.44 | 3.48 | 3.84 | 3.72 | 3.12 | 2.80 | 3.36 | 3.44 |
| | deviation | 0.23 | -1.48 | -1.14 | 2.44 | 2.23 | 1.18 | -0.35 | 1.57 | -2.44 | -1.69 | -2.22 | 1.35 |
| Average | actual | 3.82 | 2.00 | 2.18 | 5.90 | 5.29 | 3.89 | 3.17 | 4.84 | 0.76 | 1.03 | 1.14 | 4.86 |
| | normal | 3.50 | 3.40 | 3.30 | 3.66 | 3.48 | 3.42 | 3.84 | 3.74 | 3.20 | 2.80 | 3.42 | 3.42 |
| | deviation | 0.32 | -1.41 | -1.13 | 2.24 | 1.81 | 0.47 | -0.67 | 1.10 | -2.45 | -1.78 | -2.29 | 1.44 |
| White Mountain | | | | | | | | | | | | | |
| GRAFTON | actual | 3.88 | 2.08 | 4.25 | 5.16 | 5.15 | 5.29 | 3.76 | 6.36 | 0.58 | 0.85 | 1.11 | 3.64 |
| | normal | 3.56 | 3.48 | 3.84 | 3.64 | 3.48 | 3.48 | 3.76 | 3.64 | 2.92 | 2.60 | 3.04 | 3.24 |
| | deviation | 0.32 | -1.40 | 0.41 | 1.52 | 1.67 | 1.81 | 0.00 | 2.72 | -2.34 | -1.75 | -1.93 | 0.40 |
| CARROLL | actual | 3.99 | 2.35 | 2.91 | 6.10 | 5.80 | 7.02 | 4.15 | 6.52 | 0.60 | 1.36 | 1.17 | 5.21 |
| | normal | 3.48 | 3.44 | 3.68 | 3.48 | 3.44 | 3.52 | 3.92 | 3.68 | 3.00 | 2.60 | 3.08 | 3.32 |
| | deviation | 0.51 | -1.09 | -0.77 | 2.62 | 2.36 | 3.50 | 0.23 | 2.84 | -2.40 | -1.24 | -1.91 | 1.89 |
| Average | actual | 3.94 | 2.22 | 3.58 | 5.63 | 5.48 | 6.16 | 3.96 | 6.44 | 0.59 | 1.11 | 1.14 | 4.43 |
| | normal | 3.52 | 3.46 | 3.76 | 3.56 | 3.46 | 3.50 | 3.84 | 3.66 | 2.96 | 2.60 | 3.06 | 3.28 |
| | deviation | 0.42 | -1.25 | -0.18 | 2.07 | 2.02 | 2.66 | 0.12 | 2.78 | -2.37 | -1.50 | -1.92 | 1.15 |
| North Country | | | | | | | | | | | | | |
| COOS | actual | 4.47 | 3.64 | 4.20 | 4.33 | 4.71 | 6.95 | 4.69 | 6.85 | 0.86 | 1.37 | 1.52 | 3.20 |
| | normal | 3.32 | 4.16 | 3.96 | 4.00 | 3.40 | 3.48 | 3.48 | 3.44 | 2.72 | 2.48 | 2.76 | 3.04 |
| | deviation | 1.15 | -0.52 | 0.24 | 0.33 | 1.31 | 3.47 | 1.21 | 3.41 | -1.86 | -1.11 | -1.24 | 0.16 |

Source: Northeast River Forecast Center, NH DES Dam Bureau

# LAMPREY RIVER near NEWMARKET NH
# Gage# 01073500

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

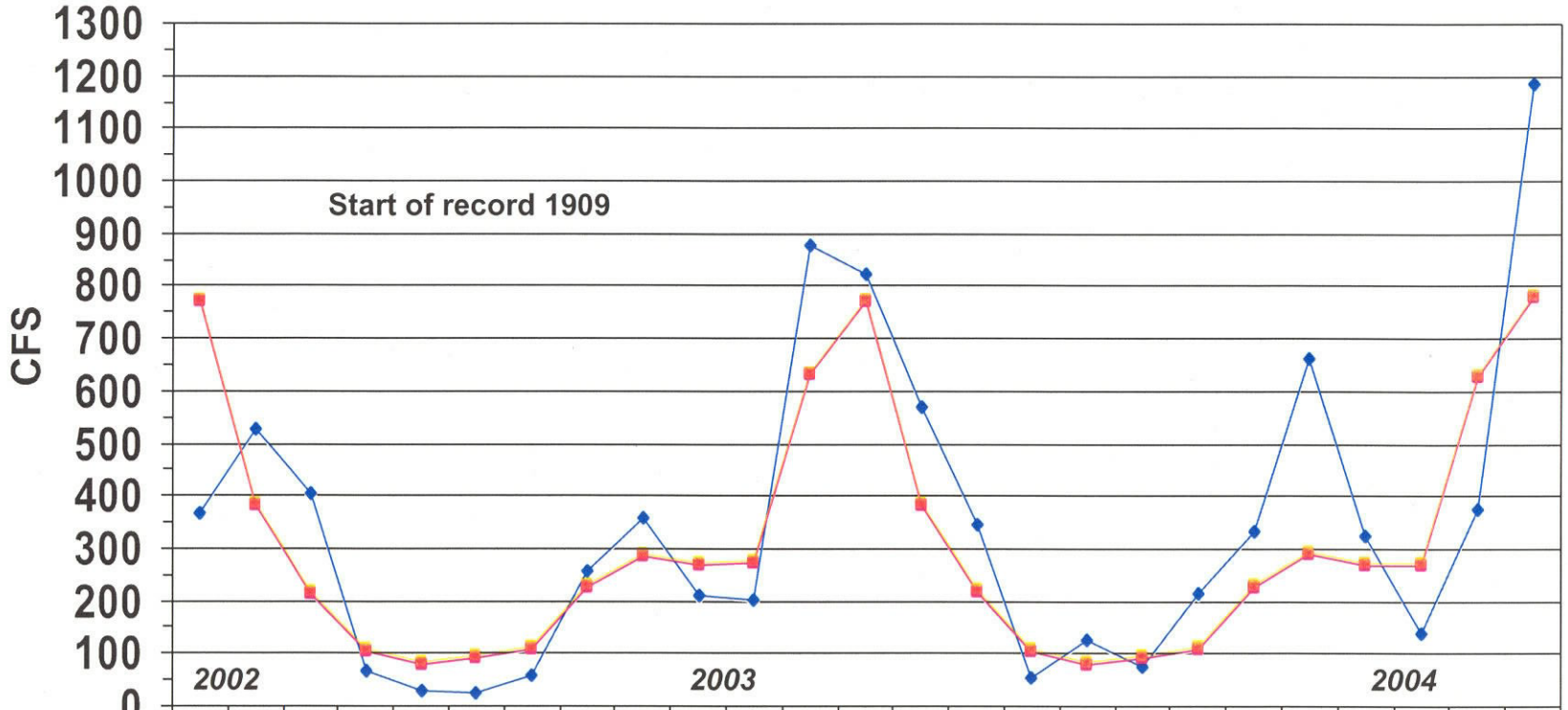



| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 302 | 427 | 338 | 41 | 5 | 5 | 36 | 211 | 329 | 189 | 161 | 799 | 712 | 337 | 220 | 32 | 80 | 53 | 206 | 338 | 498 | 212 | 79 | 241 | 1125 |
| Mean of Monthly Flow s | 687 | 348 | 192 | 93 | 70 | 70 | 127 | 259 | 328 | 282 | 303 | 610 | 687 | 348 | 192 | 92 | 70 | 70 | 128 | 260 | 330 | 281 | 300 | 605 | 694 |
| % of Normal | 44% | 123% | 176% | 44% | 7% | 7% | 28% | 81% | 100% | 67% | 53% | 131% | 104% | 97% | 115% | 35% | 114% | 76% | 161% | 130% | 151% | 75% | 26% | 40% | 162% |

NH DES, Dam Bureau, Source: USGS (Ice: 12/02, 01/03) Data during these months me be questionable as the gage was affected by ice.

# SOUHEGAN RIVER at MERRIMACK NH
# Gage# 01094000

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

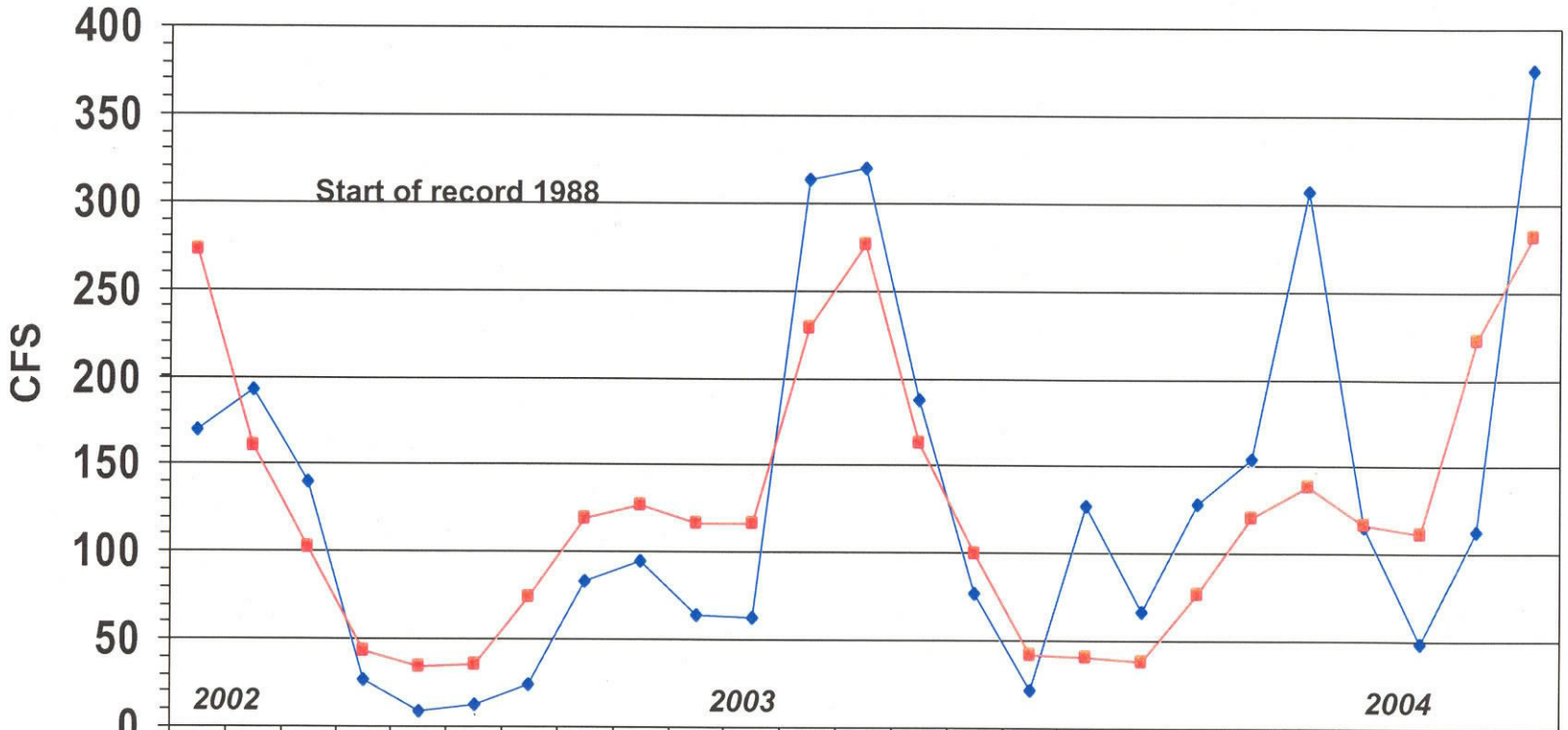



| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 365 | 523 | 399 | 65 | 24 | 21 | 55 | 252 | 353 | 206 | 197 | 873 | 817 | 564 | 342 | 52 | 123 | 71 | 209 | 330 | 657 | 319 | 137 | 371 | 1181 |
| Mean of Monthly Flow s | 769 | 379 | 213 | 101 | 78 | 88 | 106 | 223 | 283 | 267 | 270 | 627 | 770 | 381 | 215 | 101 | 78 | 88 | 107 | 225 | 288 | 268 | 268 | 624 | 776 |
| % of Normal | 47% | 138% | 187% | 64% | 31% | 24% | 52% | 113% | 125% | 77% | 73% | 139% | 106% | 148% | 159% | 51% | 158% | 81% | 195% | 147% | 228% | 119% | 51% | 59% | 152% |

NH DES, Dam Bureau, Source: USGS (ice-12/02,01/03,02/03,03/03,01/04,02/04) Data during these months me be questionable as the gage was affected by ice.

# SOUCOOK RIVER at PEMBROKE ROAD
# near CONCORD NH, Gage# 01089100

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

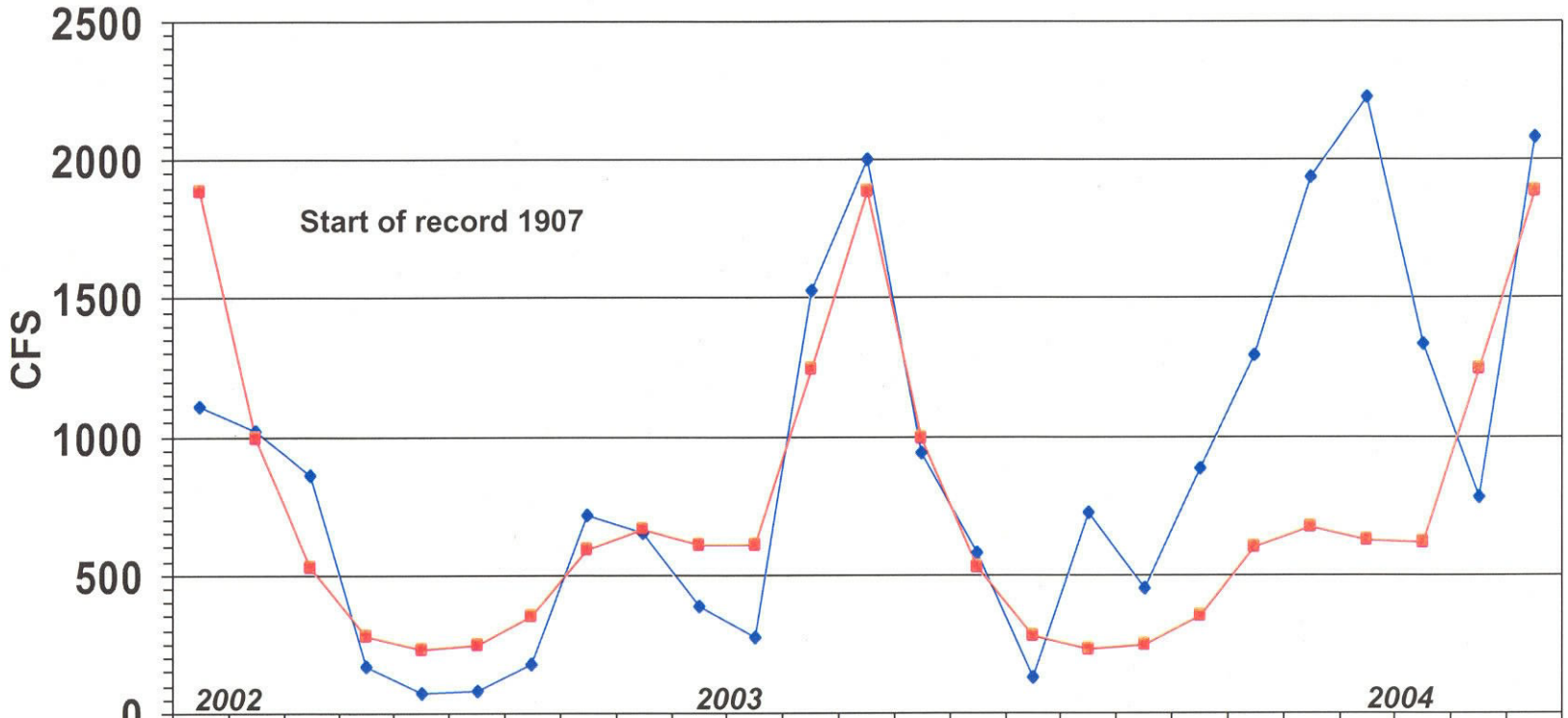



| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 169 | 191 | 139 | 26 | 8 | 11 | 23 | 82 | 94 | 63 | 62 | 313 | 319 | 186 | 76 | 20 | 126 | 66 | 127 | 153 | 306 | 115 | 47 | 112 | 375 |
| Mean of Monthly Flow s | 272 | 160 | 101 | 43 | 34 | 35 | 73 | 118 | 126 | 116 | 116 | 228 | 275 | 162 | 99 | 41 | 40 | 37 | 76 | 120 | 138 | 116 | 111 | 221 | 281 |
| % of Normal | 62% | 119% | 138% | 60% | 24% | 31% | 32% | 69% | 75% | 54% | 53% | 137% | 116% | 115% | 77% | 49% | 315% | 178% | 166% | 128% | 222% | 99% | 42% | 51% | 133% |

NH DES, Dam Bureau, Source: USGS (ice: 11/02,12/02,01/03, 02/03, 03/03, 01/04, 02/04, 03/04) Data during these months me be questionable as the gage was affected by ice.

# ASHUELOT RIVER at HINSDALE NH
# Gage# 01161000

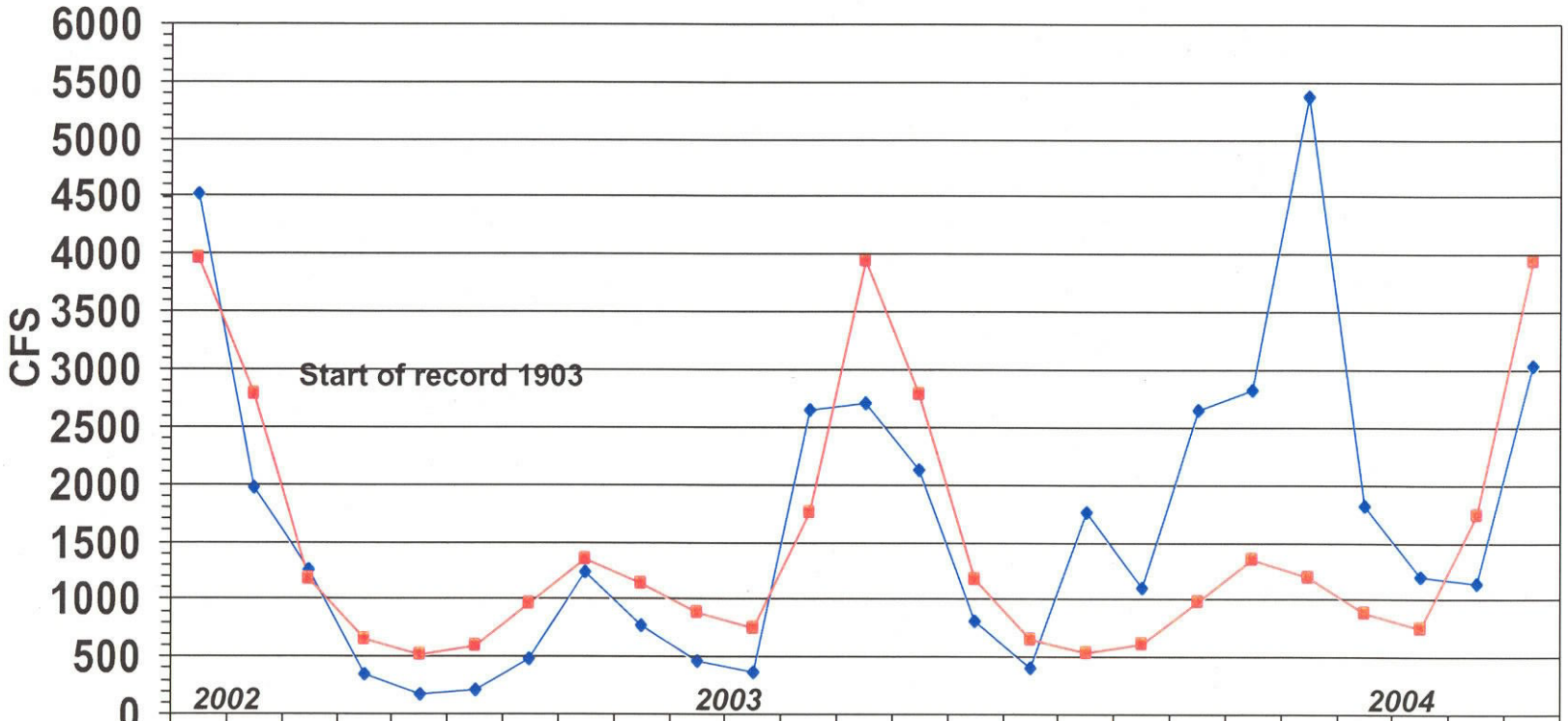
## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS




| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 1100 | 1013 | 855 | 162 | 63 | 70 | 165 | 706 | 642 | 376 | 268 | 1518 | 1990 | 934 | 570 | 118 | 712 | 443 | 878 | 1290 | 1932 | 2220 | 1324 | 769 | 2072 |
| Mean of Monthly Flow s | 1878 | 990 | 523 | 276 | 224 | 241 | 343 | 586 | 657 | 601 | 600 | 1241 | 1880 | 989 | 524 | 274 | 229 | 244 | 349 | 594 | 670 | 618 | 608 | 1236 | 1882 |
| % of Normal | 59% | 102% | 163% | 59% | 28% | 29% | 48% | 120% | 98% | 63% | 45% | 122% | 106% | 94% | 109% | 43% | 311% | 182% | 252% | 217% | 288% | 359% | 218% | 62% | 110% |

NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,01/04,02/04,03/04) Data during these months me be questionable as the gage was affected by ice.

# PEMIGEWASSET RIVER at PLYMOUTH NH
## Gage# 01076500
### MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

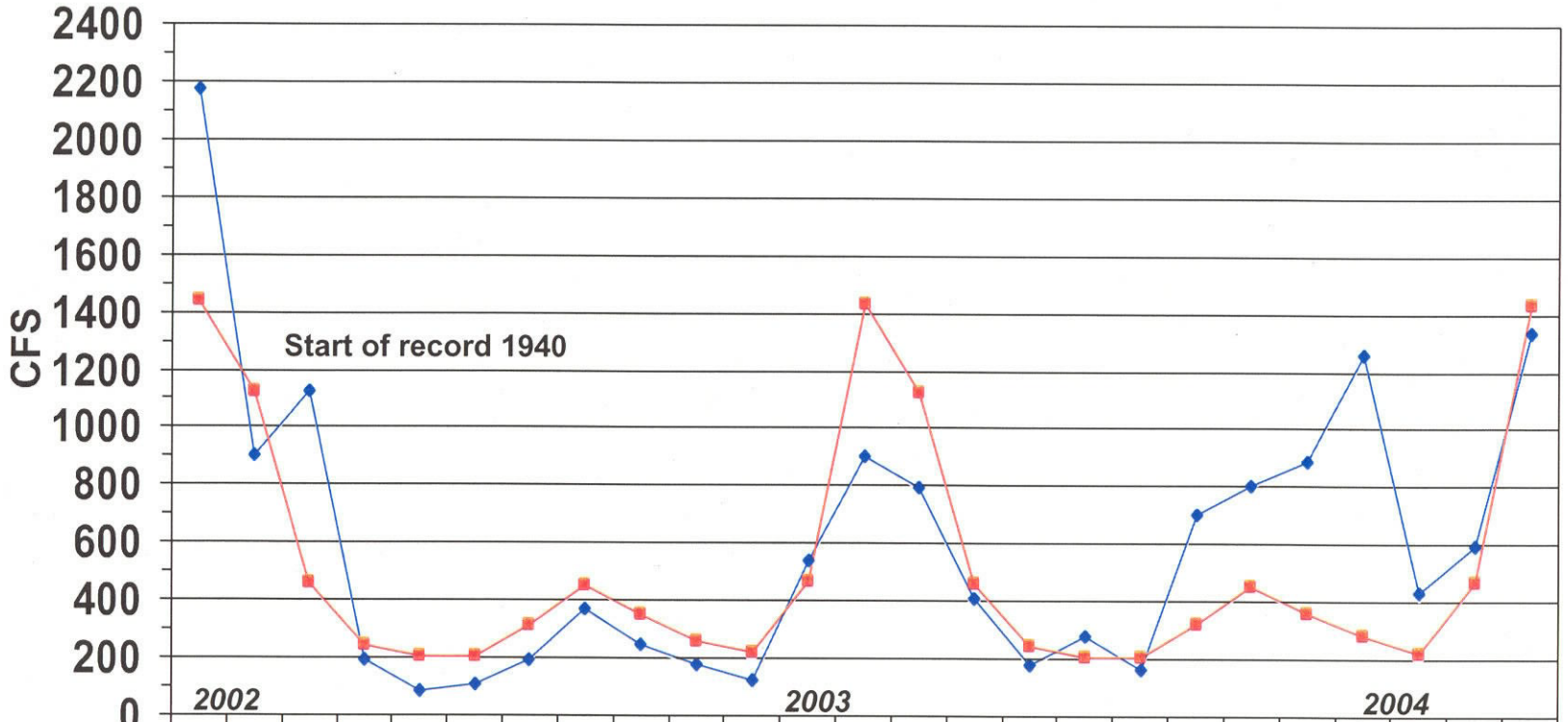



| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 4518 | 1961 | 1239 | 327 | 148 | 198 | 458 | 1219 | 751 | 448 | 348 | 2641 | 2683 | 2116 | 799 | 380 | 1737 | 1083 | 2628 | 2802 | 5370 | 1802 | 1189 | 1120 | 3025 |
| Mean of Monthly Flows | 3945 | 2768 | 1155 | 637 | 501 | 590 | 953 | 1327 | 1129 | 868 | 730 | 1736 | 3933 | 2762 | 1152 | 635 | 513 | 595 | 970 | 1342 | 1171 | 877 | 734 | 1730 | 3924 |
| % of Normal | 115% | 71% | 107% | 51% | 30% | 34% | 48% | 92% | 67% | 52% | 48% | 152% | 68% | 77% | 69% | 60% | 339% | 182% | 271% | 209% | 459% | 205% | 162% | 65% | 77% |

NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,12/03,01/04,02/04,03/04) Data during these months me be questionable as the gage was affected by ice.

# UPPER AMMONOOSUC RIVER near GROVETON NH
# Gage# 01130000

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS




| | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Mean Flow | 2169 | 893 | 1119 | 187 | 74 | 100 | 183 | 359 | 237 | 166 | 116 | 529 | 892 | 789 | 401 | 168 | 268 | 158 | 697 | 797 | 880 | 1248 | 423 | 583 | 1324 |
| Mean of Monthly Flow s | 1439 | 1121 | 457 | 242 | 197 | 201 | 310 | 445 | 347 | 258 | 215 | 463 | 1430 | 1116 | 456 | 241 | 198 | 201 | 316 | 450 | 355 | 274 | 219 | 465 | 1428 |
| % of Normal | 151% | 80% | 245% | 77% | 38% | 50% | 59% | 81% | 68% | 64% | 54% | 114% | 62% | 71% | 88% | 70% | 135% | 79% | 221% | 177% | 248% | 455% | 193% | 125% | 93% |

NH DES, Dam Bureau, Source: USGS(ice:11/02,12/02,01/03,02/03,03/03,04/03,12/03,01/04,02/04,03/04) Data during these months me be questionable as the gage was affected by ice.

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OFMAY 4, 2004

| Station number | Station name | Est. Mean Flow (cfs) 5/4/2004 | Long Term Median Flow 5/4/2004 | 99% Flow (cfs) | 7Q10 Flow (cfs) | Lowest Period of Record Daily Flow (cfs) | % of Median | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---|---|---|---|---|---|---|---|---|---|---|
| **Androscoggin River Basin** | | | | | | | | | | |
| 01052500 | Diamond River near Wentworth Location, NH | 777 | 1,240 | 22 | 16 | 6.8 | 63% | FALSE | FALSE | FALSE |
| 01053500 | Androscoggin River at Errol, NH | 1,480 | 2,410 | 500 | 451 | 0 | 61% | FALSE | FALSE | FALSE |
| 01054000 | Androscoggin River near Gorham, NH | 3,050 | 4,220 | 1300 | 1310 | 795 | 72% | FALSE | FALSE | FALSE |
| **Saco River Basin** | | | | | | | | | | |
| 01064500 | Saco River near Conway, NH | 1,520 | 2,685 | 105 | 97 | 66 | 57% | FALSE | FALSE | FALSE |
| 01064801 | BEARCAMP RIVER AT SOUTH TAMWORTH, NH | 858 | 175 | 6 | 4.8 | 4.5 | 490% | FALSE | FALSE | FALSE |
| **Piscataqua River Basin** | | | | | | | | | | |
| 01072100 | SALMON FALLS RIVER AT MILTON, NH | 241 | 240 | 27 | 24 | 16 | 100% | FALSE | FALSE | FALSE |
| 01073500 | LAMPREY RIVER NEAR NEWMARKET, NH | 543 | 362 | 7 | 5 | -- | 150% | FALSE | FALSE | |
| **Merrimack River Basin** | | | | | | | | | | |
| 01074520 | EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH | 1,210 | 741 | 55 | 49 | 46 | 163% | FALSE | FALSE | FALSE |
| 01075000 | PEMIGEWASSET RIVER AT WOODSTOCK, NH | 2,850 | 1,520 | 65 | 56 | -- | 188% | FALSE | FALSE | |
| 01076000 | BAKER RIVER NEAR RUMNEY, NH | 1,070 | 606 | 18 | 15 | -- | 177% | FALSE | FALSE | |
| 01076500 | PEMIGEWASSET RIVER AT PLYMOUTH, NH | 7,410 | 3,220 | 130 | 118 | 45 | 230% | FALSE | FALSE | FALSE |
| 01078000 | SMITH RIVER NEAR BRISTOL, NH | 326 | 234 | 7 | 6.2 | 2.7 | 139% | FALSE | FALSE | FALSE |
| 01081000 | WINNIPESAUKEE RIVER AT TILTON, NH | 1,330 | 895 | 143 | 136 | 48 | 149% | FALSE | FALSE | FALSE |
| 01081500 | MERRIMACK RIVER AT FRANKLIN JUNCTION, NH | 6,360 | 5,505 | 520* | 551 | -- | 116% | | FALSE | |
| 01082000 | CONTOOCOOK RIVER AT PETERBOROUGH, NH | 261 | 161 | 5.5 | 6.3 | -- | | FALSE | FALSE | |
| 01085000 | CONTOOCOOK RIVER NEAR HENNIKER, NH | 842 | 918 | 40 | 37 | -- | 92% | FALSE | FALSE | |
| 01085500 | CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH | 794 | 1,040 | 35 | 39 | -- | 76% | FALSE | FALSE | |
| 01086000 | WARNER RIVER AT DAVISVILLE, NH | 306 | 430 | 6 | 5.3 | -- | 71% | FALSE | FALSE | |
| 01087000 | BLACKWATER RIVER NEAR WEBSTER, NH | 305 | 367 | 15.5 | 13.7 | -- | 83% | FALSE | FALSE | |
| 01090800 | PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH | 200 | 133 | 1.7 | 1.2 | -- | 150% | FALSE | FALSE | |
| 01091500 | PISCATAQUOG RIVER NEAR GOFFSTOWN, NH | 841 | 426 | 8 | 8.8 | -- | 197% | FALSE | FALSE | |
| 01092000 | MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH | 8,330 | 9,925 | 560* | 644 | 98* | 84% | | FALSE | |
| 01094000 | SOUHEGAN RIVER AT MERRIMACK, NH | 595 | 365 | 15 | 12.9 | -- | 163% | FALSE | FALSE | |
| **Connecticut River Basin** | | | | | | | | | | |
| 01129200 | CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH | 508 | 449 | 50 | 42 | 30 | 113% | FALSE | FALSE | FALSE |
| 01129440 | MOHAWK RIVER NEAR COLEBROOK NH | 140 | 114 | 8.5 | 7.4 | 5.3 | 123% | FALSE | FALSE | FALSE |
| 01129500 | CONNECTICUT RIVER AT NORTH STRATFORD, NH | 2,260 | 2,854 | 220 | 176 | 108 | 79% | FALSE | FALSE | FALSE |
| 01130000 | UPPER AMMONOOSUC RIVER NEAR GROVETON, NH | 1,160 | 1,350 | 55 | 49 | 32 | 86% | FALSE | FALSE | FALSE |
| 01131500 | CONNECTICUT RIVER NEAR DALTON, NH | 4,440 | 6,555 | 410 | 389 | 115 | 68% | FALSE | FALSE | FALSE |
| 01137500 | AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH | 1,010 | 520 | 32 | 28 | 21 | 194% | FALSE | FALSE | FALSE |
| 01138500 | CONNECTICUT RIVER AT WELLS RIVER, VT | 10,400 | 10,500 | 480* | 690 | 152* | 99% | | FALSE | |
| 01144500 | CONNECTICUT RIVER AT WEST LEBANON, NH | 12,900 | 17,200 | 380* | 902 | 82* | 75% | | FALSE | |
| 01145000 | MASCOMA RIVER AT WEST CANAAN, NH | 86 | 261 | 5.6 | 4.4 | -- | 33% | FALSE | FALSE | |
| 01150500 | MASCOMA RIVER AT MASCOMA, NH | 212 | 351 | 27 | 26 | 2 | 60% | FALSE | FALSE | FALSE |
| 01152500 | SUGAR RIVER AT WEST CLAREMONT, NH | 753 | 681 | 40 | 38 | 14 | 111% | FALSE | FALSE | FALSE |
| 01154500 | CONNECTICUT RIVER AT NORTH WALPOLE, NH | 11,300 | 19,800 | 260* | 1058 | 115* | 57% | | FALSE | |
| 01158000 | ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH | 275 | 325 | 4.5 | 2.7 | 0.4 | 85% | FALSE | FALSE | FALSE |
| 01158600 | OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH | 201 | 127 | 1.6 | 1.1 | 0.3 | 158% | FALSE | FALSE | FALSE |
| 01160350 | ASHUELOT RIVER AT WEST SWANZEY, NH | 1,000 | 821 | 32 | -- | -- | 122% | FALSE | | |

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

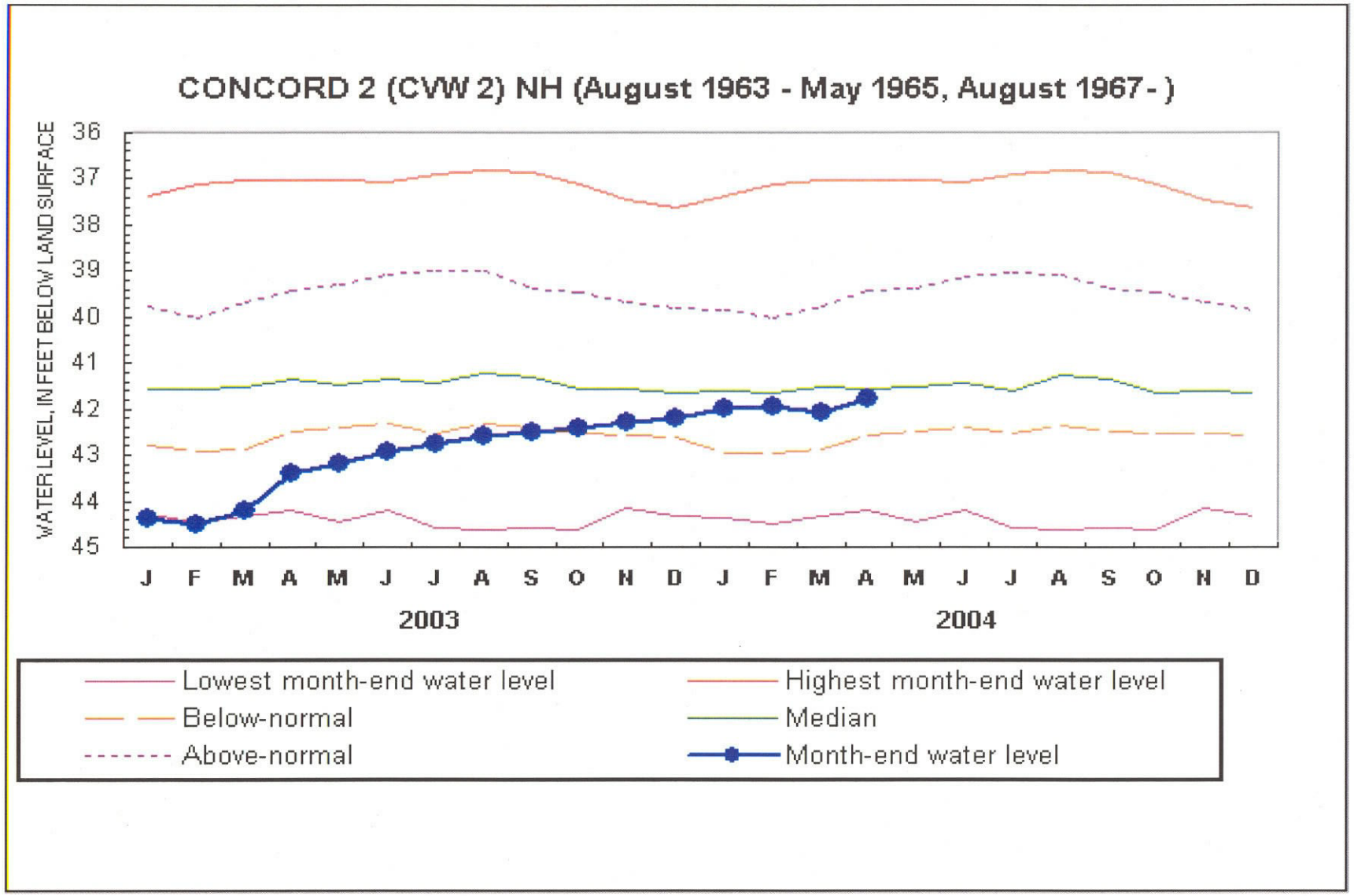
Source: USGS, NH DES

| SUMMARY | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---|---|---|---|
| FALSE = | 33 | 37 | 20 |
| TRUE = | 0 | 0 | 0 |

# New Hampshire Groundwater Levels for April 2004

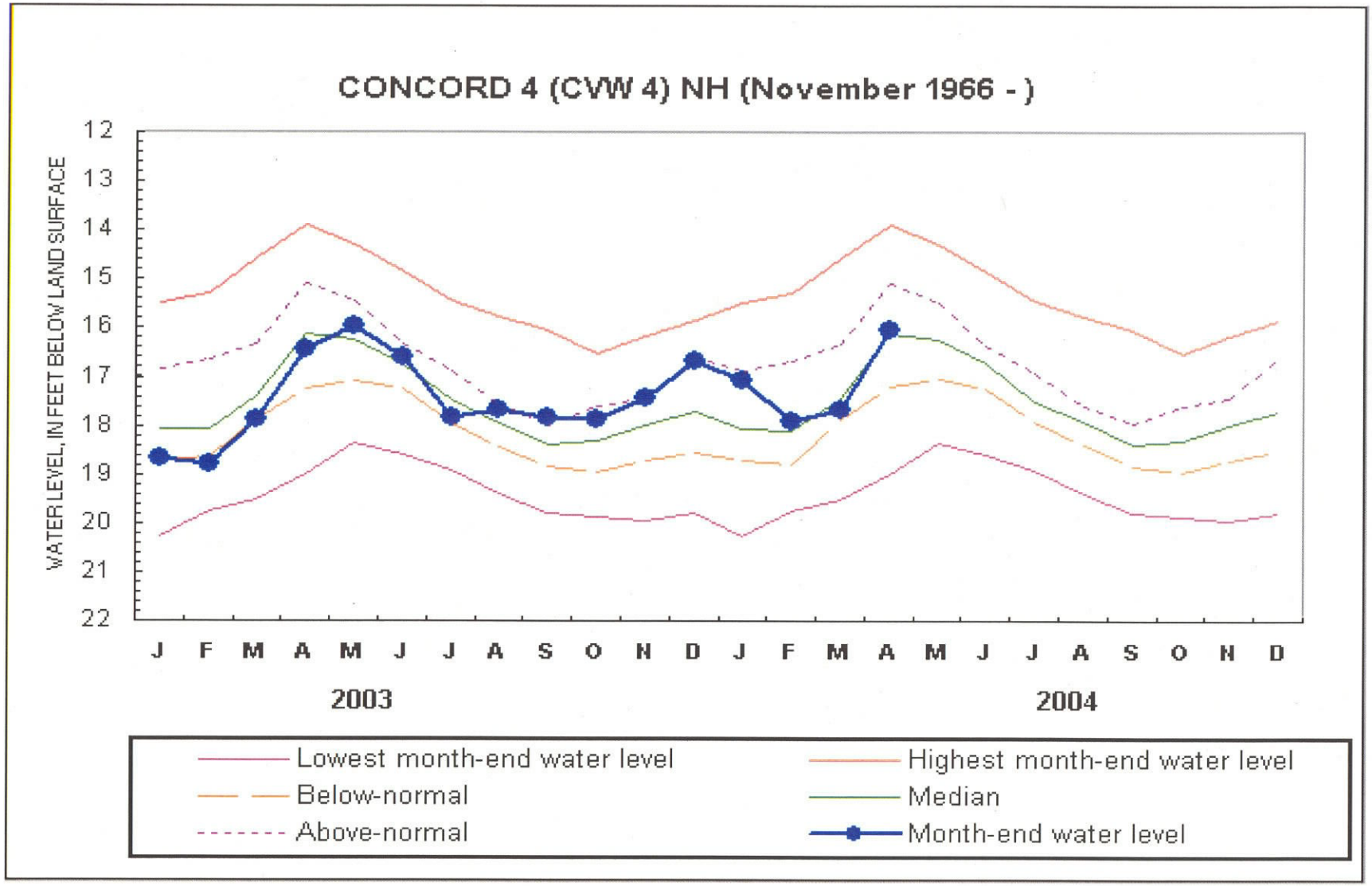
| WELL | START OF RECORD | WATER LEVEL BELOW SURFACE DATUM (ft) | NET CHANGE IN ONE MONTH (ft) | NET CHANGE IN ONE YEAR (ft) | MEDIAN | RANGE (ft) | DEPARTURE FROM MONTHLY MEDIAN (FT) | PERCENT OF RANGE | STATUS |
|---|---|---|---|---|---|---|---|---|---|
| ALBANY 14 | 1995 | 4.57 | +2.67 | -0.81 | 4.11 | 1.59 | -0.46 | -28.9 | BELOW NORMAL |
| ALBANY 15 | 1995 | 5.92 | +3.30 | -1.15 | 5.13 | 2.53 | -0.79 | -31.2 | BELOW NORMAL |
| BARNSTEAD 10 | 1995 | 2.58 | +0.29 | -0.25 | 2.04 | 0.93 | -0.54 | -58.1 | BELOW NORMAL |
| CAMPTON 34 | 1988 | 11.45 | +1.71 | -0.01 | 11.00 | 0.66 | -0.45 | -68.2 | BELOW NORMAL |
| COLEBROOK 73 | 1995 | 6.85 | +1.04 | +0.31 | 6.82 | 0.69 | -0.03 | -4.3 | NORMAL |
| CONCORD 2 | 1963 | 41.82 | +0.27 | +1.62 | 41.57 | 2.67 | -0.25 | -9.4 | NORMAL |
| CONCORD 4 | 1966 | 16.06 | +1.63 | +0.40 | 16.16 | 2.23 | +0.10 | 4.5 | NORMAL |
| DEERFIELD 46 | 1984 | 37.40 | +1.24 | +0.31 | 38.01 | 0.66 | +0.61 | 92.4 | ABOVE NORMAL |
| ENFIELD 30 | 1990 | 2.19 | +2.60 | -0.14 | 2.03 | 2.17 | -0.16 | -7.4 | NORMAL |
| ERROL 1 | 1966 | 12.30 | +1.80 | +2.80 | 11.70 | 3.40 | -0.60 | -17.6 | BELOW NORMAL |
| FRANKLIN 1 | 1966 | 10.14 | +1.59 | +3.71 | 10.86 | 3.88 | +0.72 | 18.6 | NORMAL |
| GREENFIELD 75 | 1995 | 61.46 | +0.95 | +2.00 | 61.78 | 3.16 | +0.32 | 10.1 | NORMAL |
| HOOKSETT 5 | 1965 | 47.06 | +2.22 | -1.36 | 46.20 | 2.08 | -0.86 | -41.3 | NORMAL |
| KEENE 2 | 1963 | 3.00 | -0.04 | +0.00 | 2.77 | 0.97 | -0.23 | -23.7 | NORMAL |
| LANCASTER 1 | 1966 | 1.00 | +1.00 | +0.60 | 0.73 | 1.07 | -0.27 | -25.2 | BELOW NORMAL |
| LEE 1 | 1953 | 30.62 | +0.98 | +0.21 | 30.67 | 1.65 | +0.05 | 3.0 | NORMAL |
| LISBON 19 | 1990 | 12.90 | +1.12 | -0.20 | 12.70 | 0.77 | -0.20 | -26.0 | NORMAL |
| NASHUA 218 | 1964 | 26.21 | +1.85 | +0.24 | 27.26 | 1.19 | +1.05 | 88.2 | ABOVE NORMAL |
| NEW DURHAM 53 | 1986 | 18.56 | +0.64 | +0.13 | 18.61 | 0.88 | +0.05 | 5.7 | NORMAL |
| NEW LONDON 1 | 1947 | 5.27 | +2.09 | -0.84 | 4.43 | 3.38 | -0.84 | -24.9 | NORMAL |
| NEWPORT 3 | 1995 | 4.85 | +0.99 | -0.73 | 4.12 | 1.29 | -0.73 | -56.6 | NORMAL |
| NEWPORT 6 | 1995 | 4.92 | +1.00 | -0.79 | 4.13 | 1.33 | -0.79 | -59.4 | NORMAL |
| OSSIPEE 38 | 1995 | 35.03 | --- | +0.22 | 34.29 | 2.05 | -0.74 | -36.1 | NORMAL |
| SHELBURNE 2 | 1995 | 3.45 | +1.15 | +0.51 | 3.88 | 1.24 | +0.43 | 34.7 | ABOVE NORMAL |
| WARNER 1 | 1965 | 28.10 | +1.81 | -0.10 | 28.42 | 3.48 | +0.32 | 9.2 | NORMAL |

Source: USGS, NH DES




Highest and lowest month-end water levels are monthly extremes for the period of record
Above-normal is the 75% quartile (25% of month-end water levels were higher)
Below-normal is the 25% quartile (25% of month-end water levels were lower)
Median is the 50% quartile (half of the month-end water levels were higher or lower)
Water levels after September 2000 are provisional and subject to revision.

Source: NH DES, Dam Bureau, USGS

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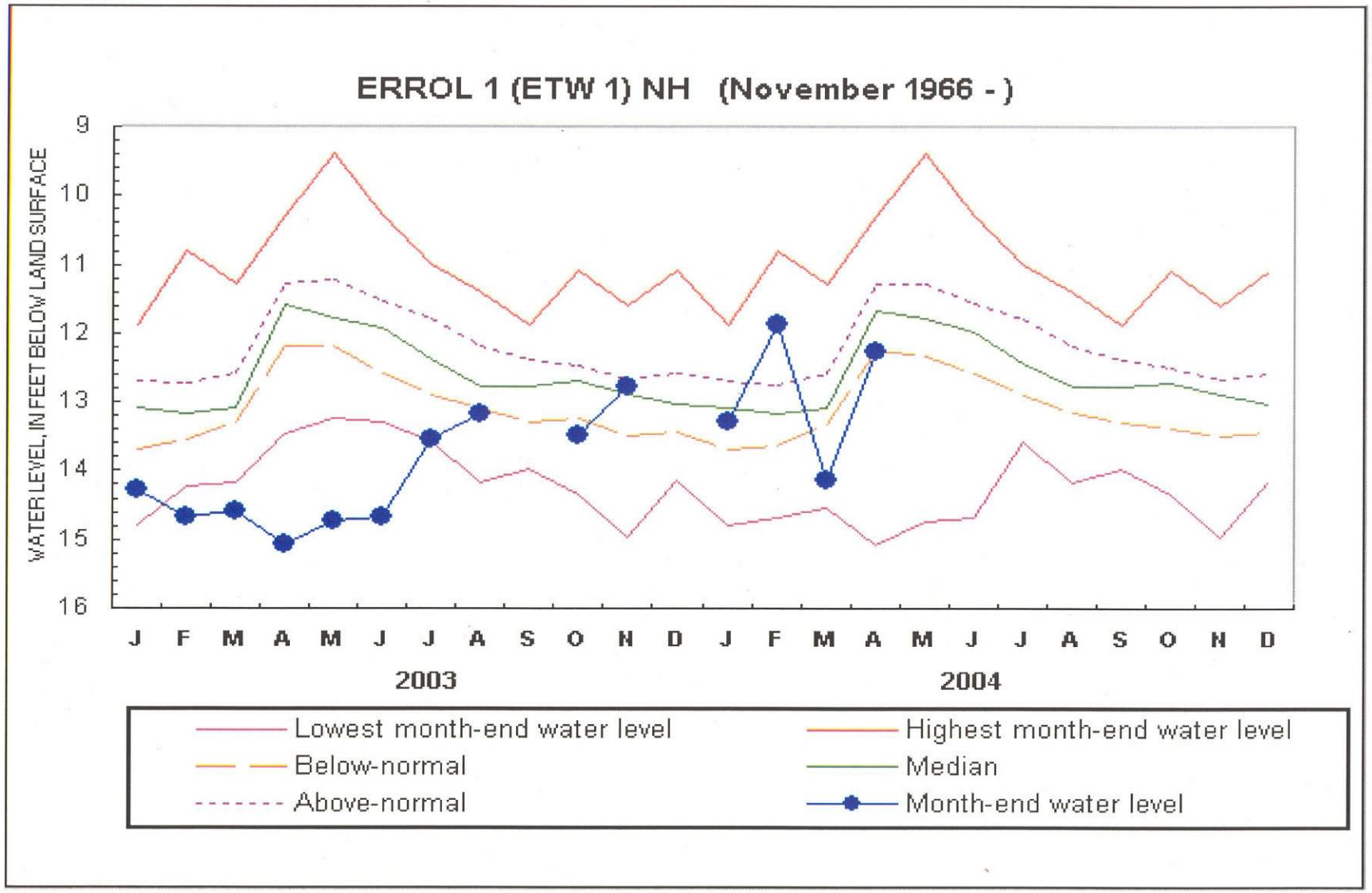


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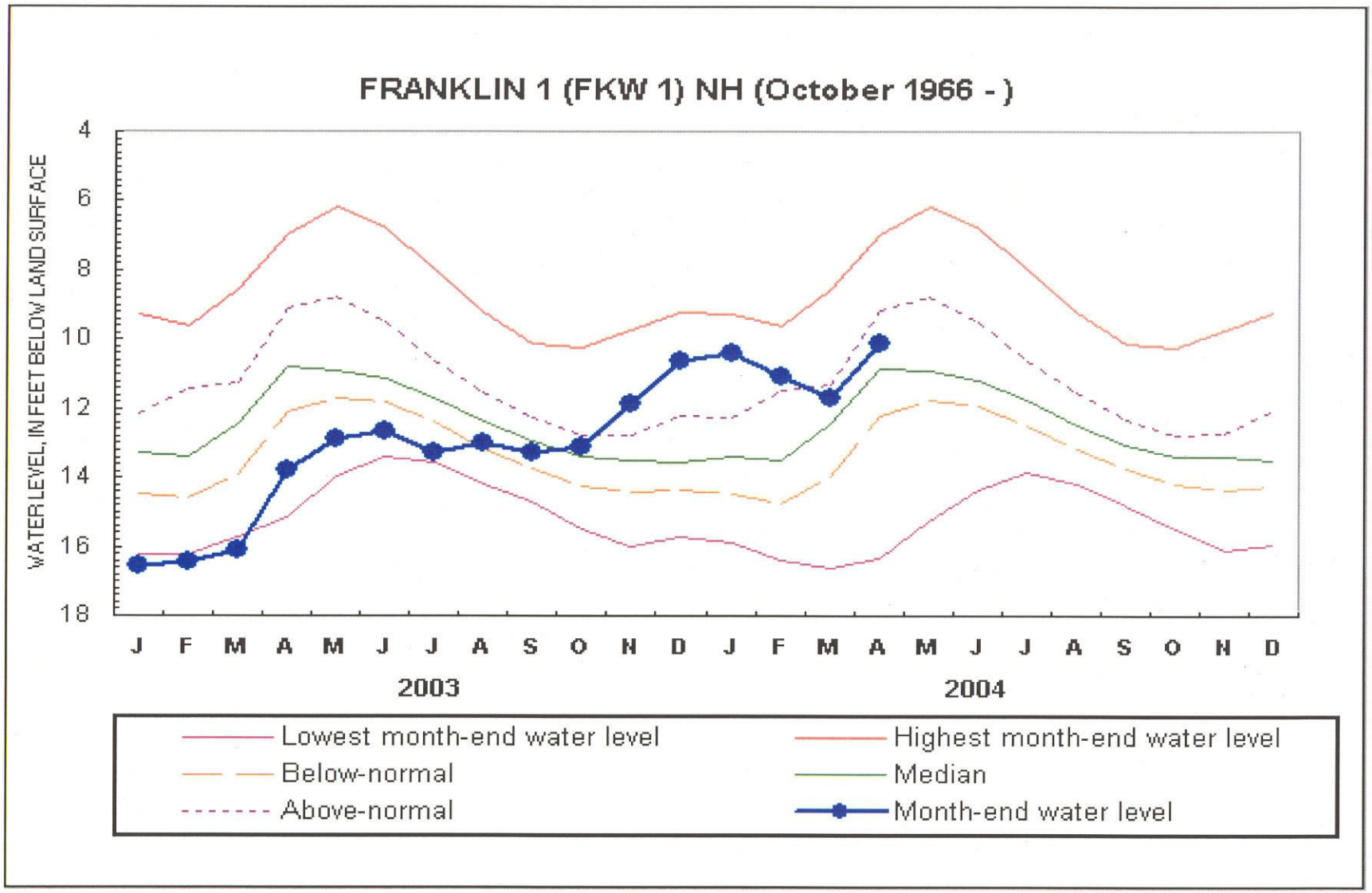


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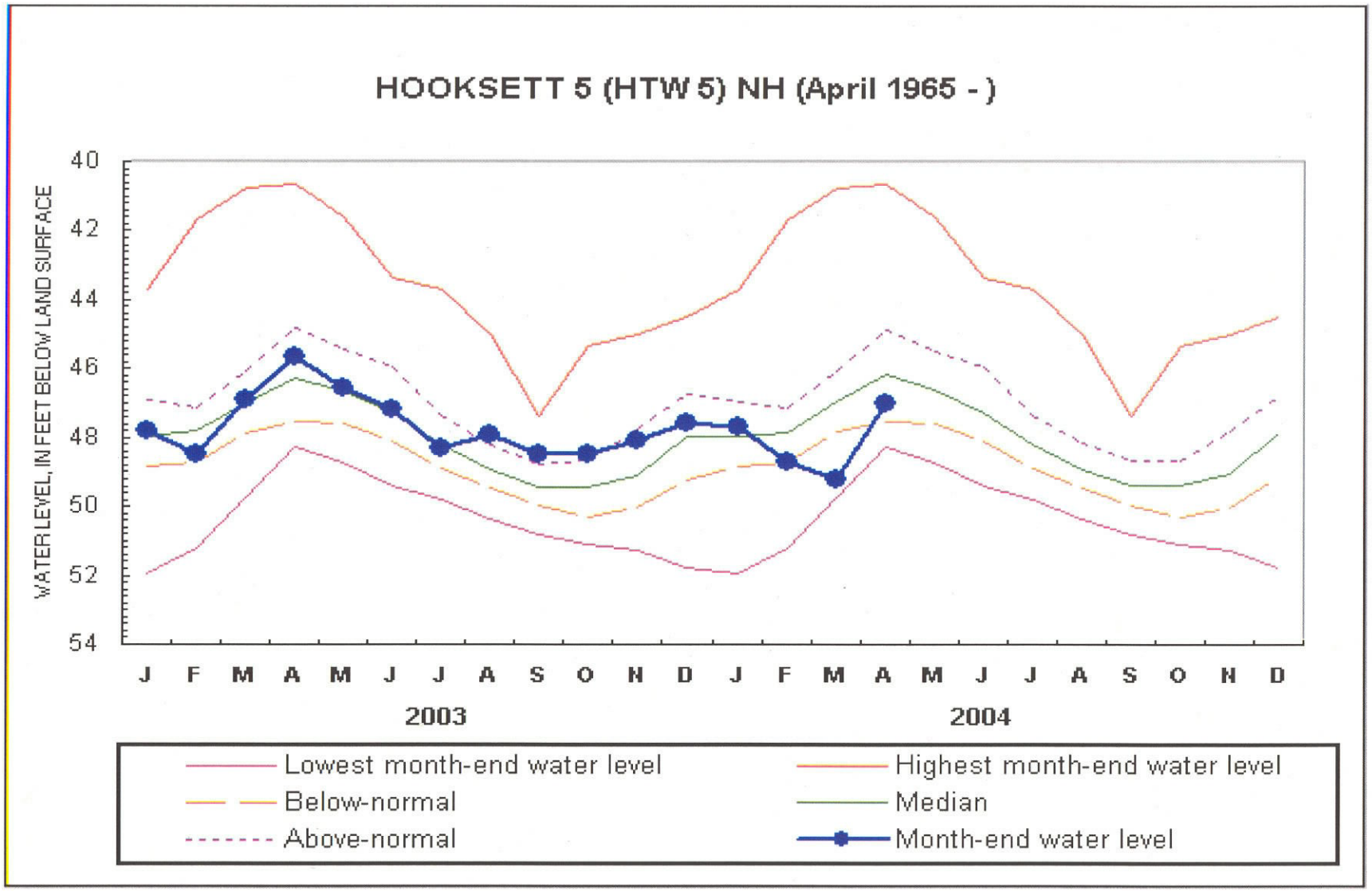


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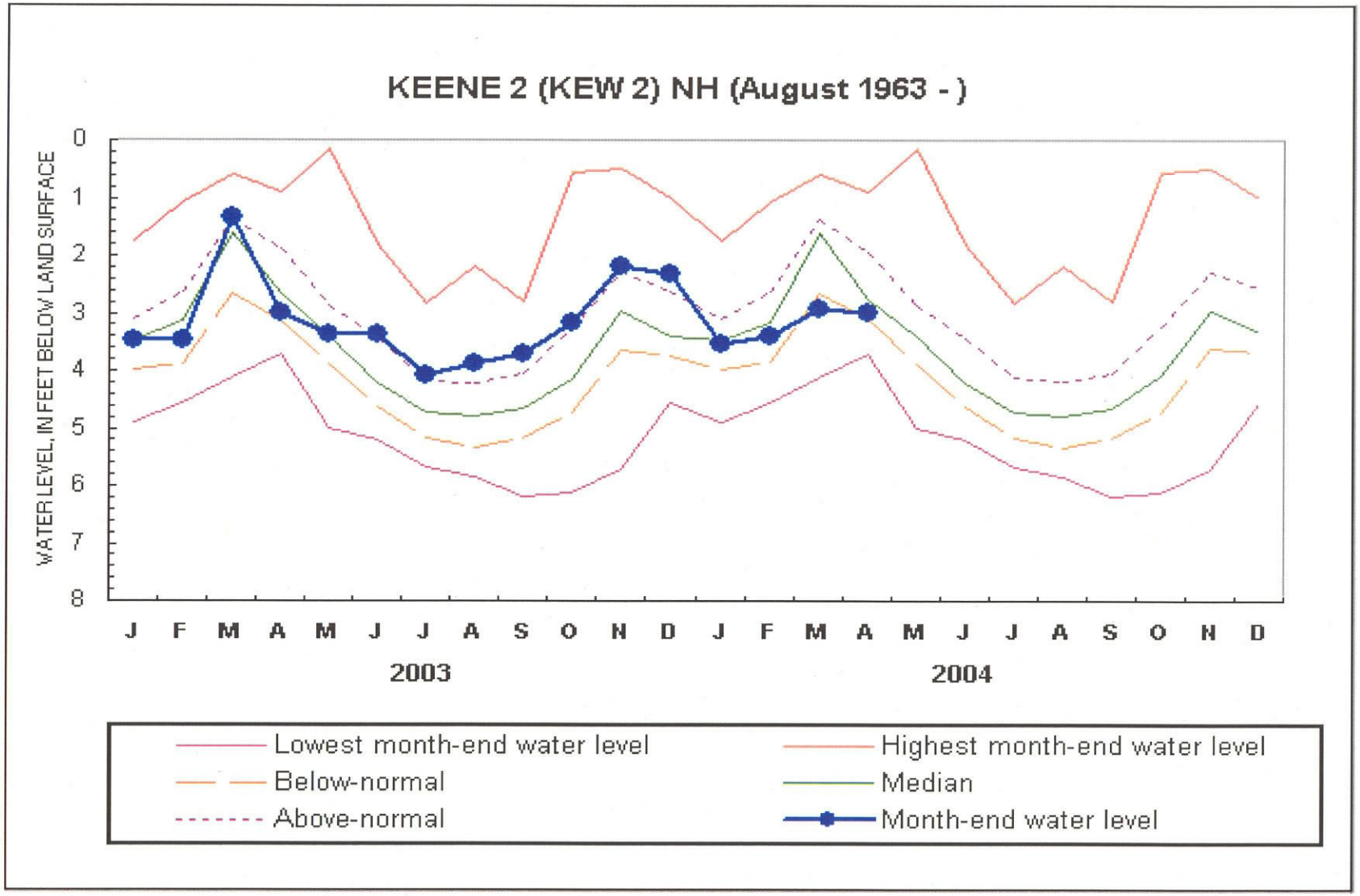


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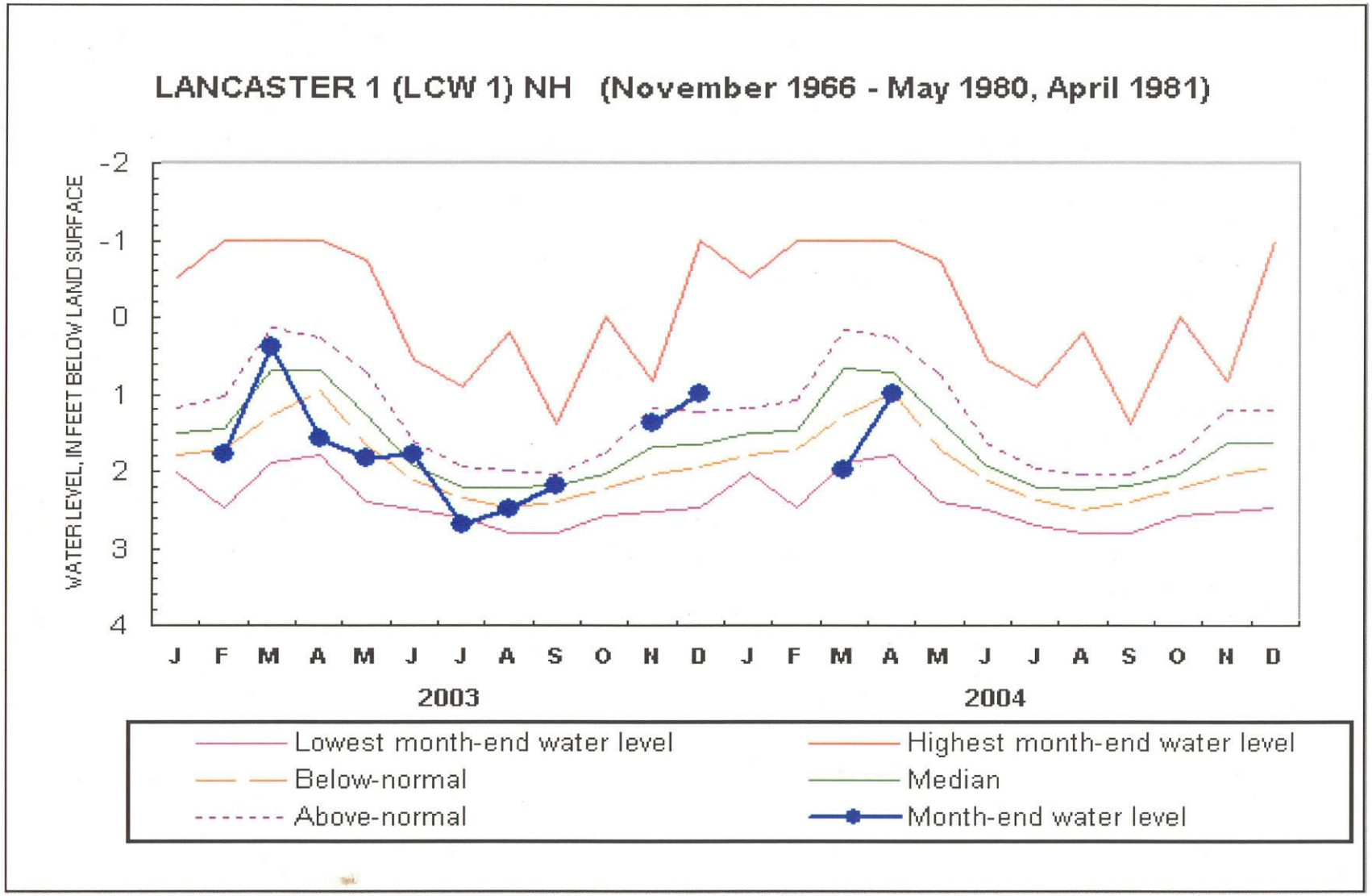


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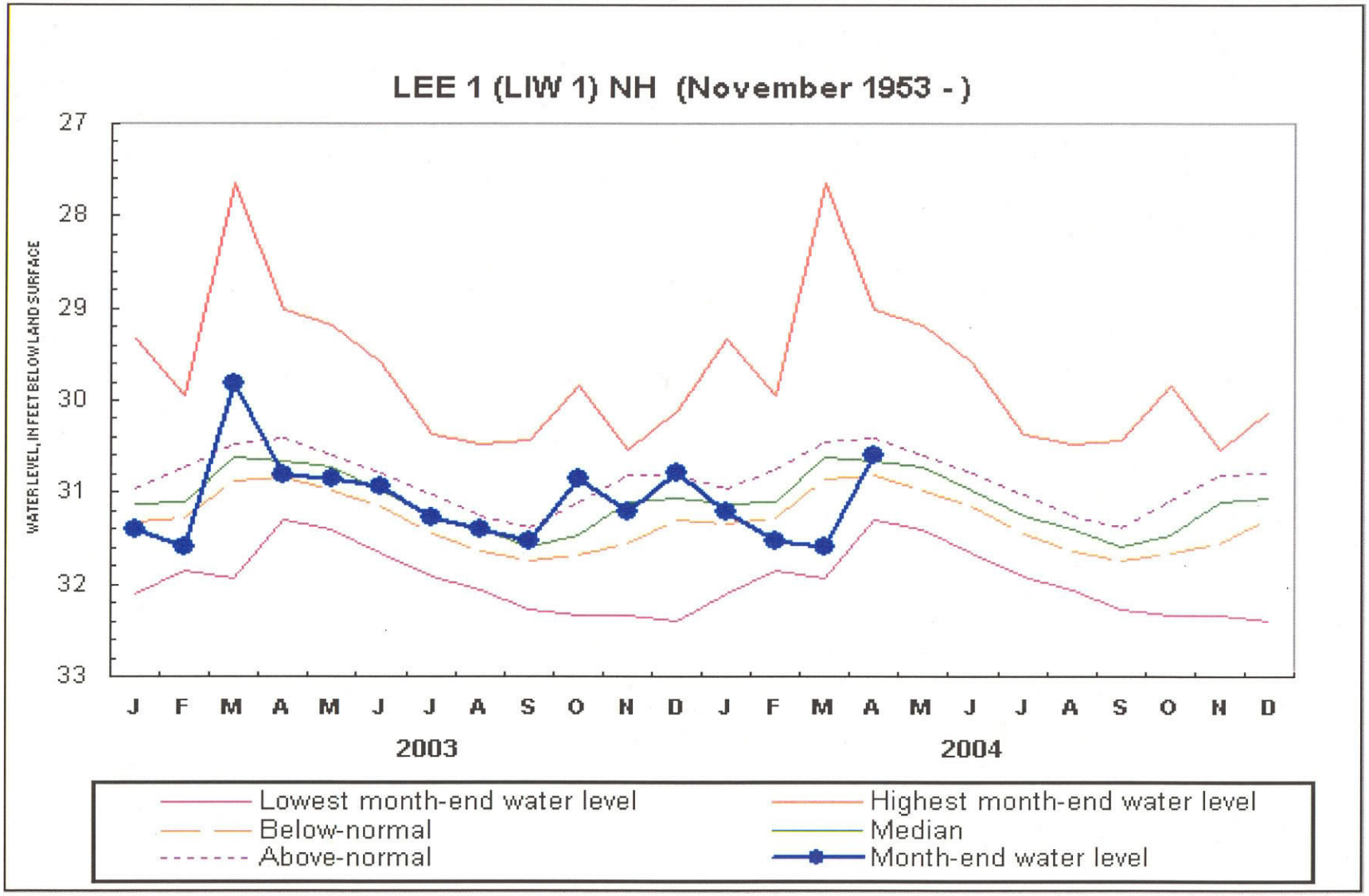


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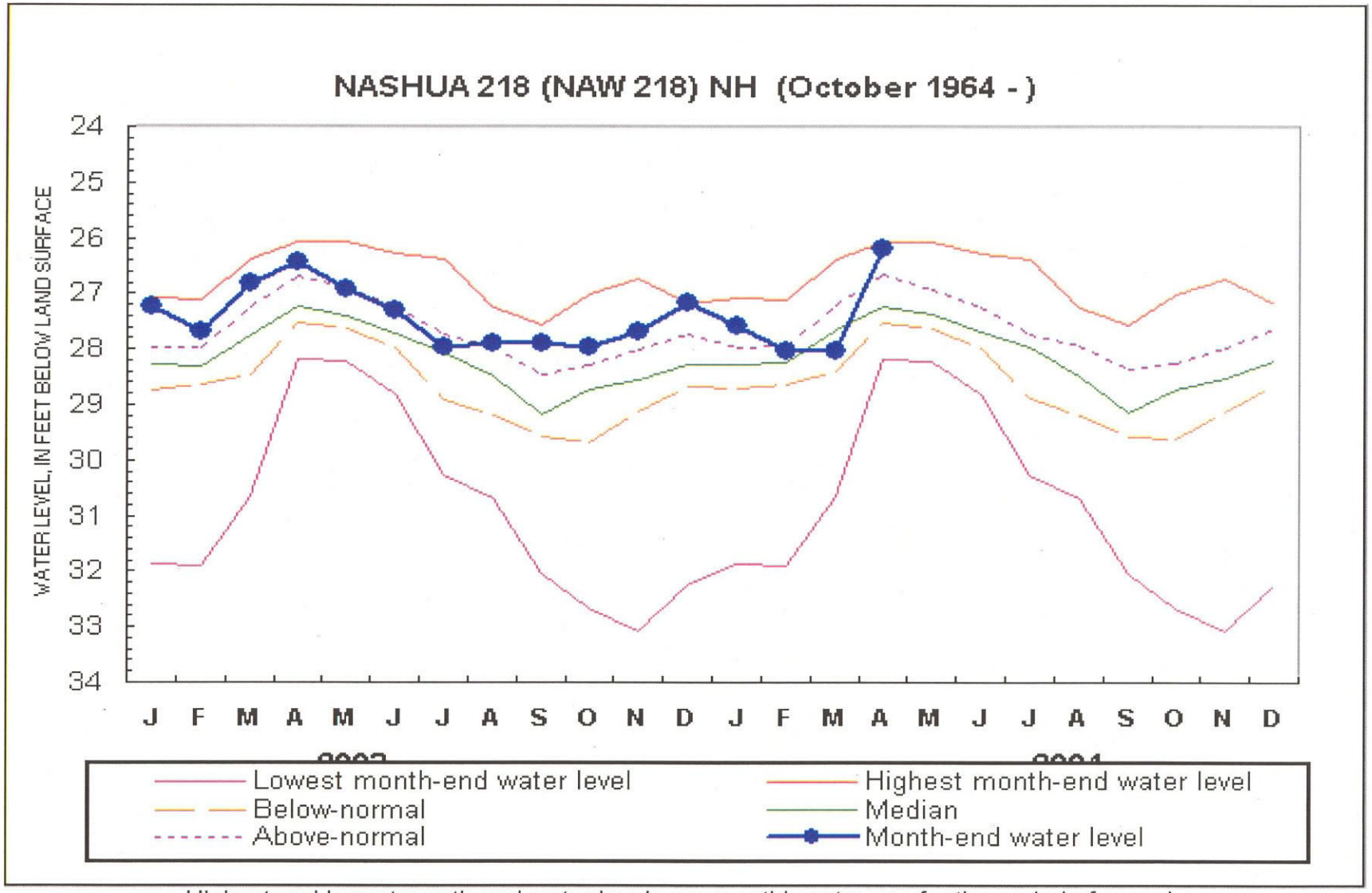


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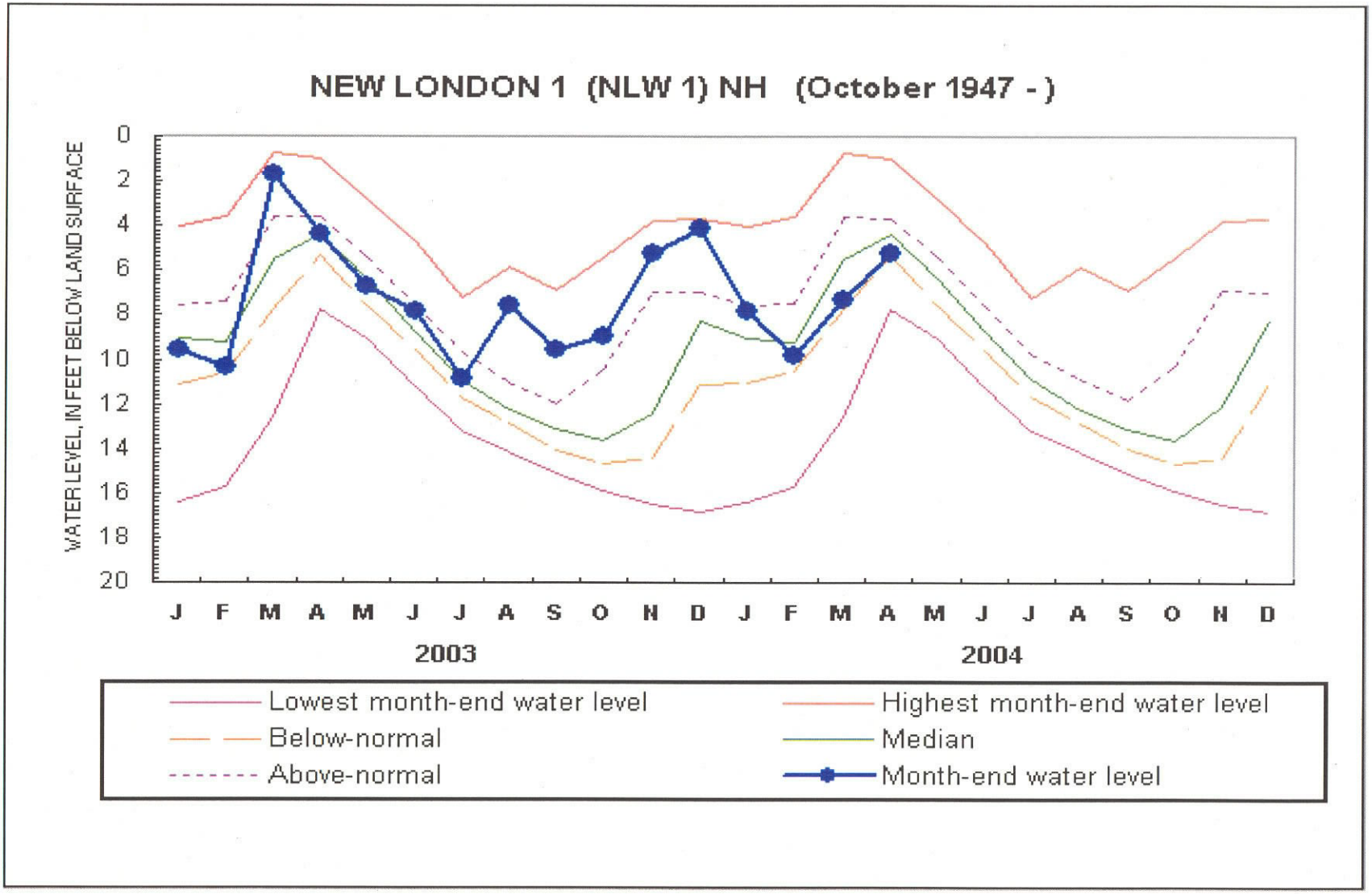


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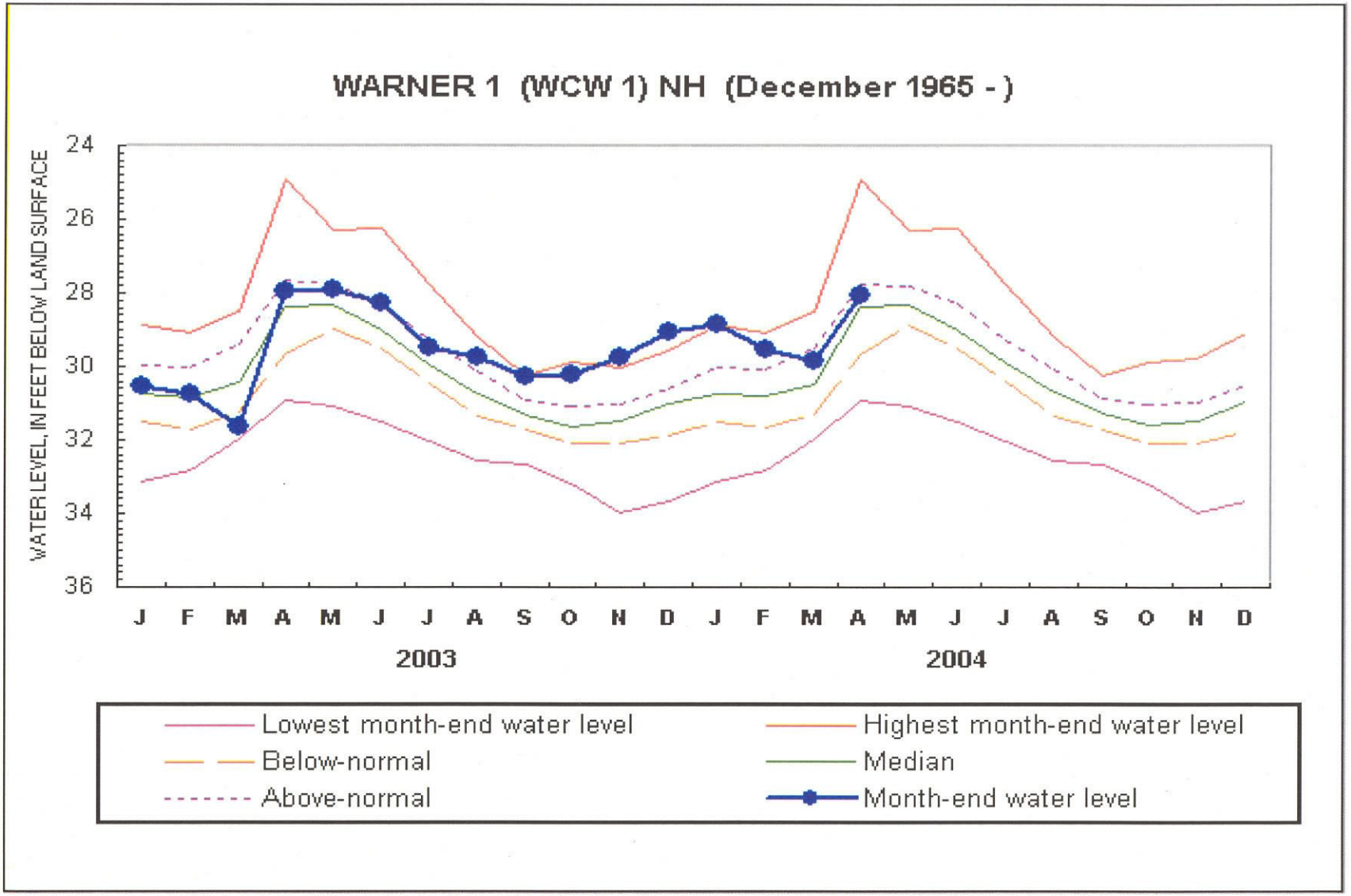


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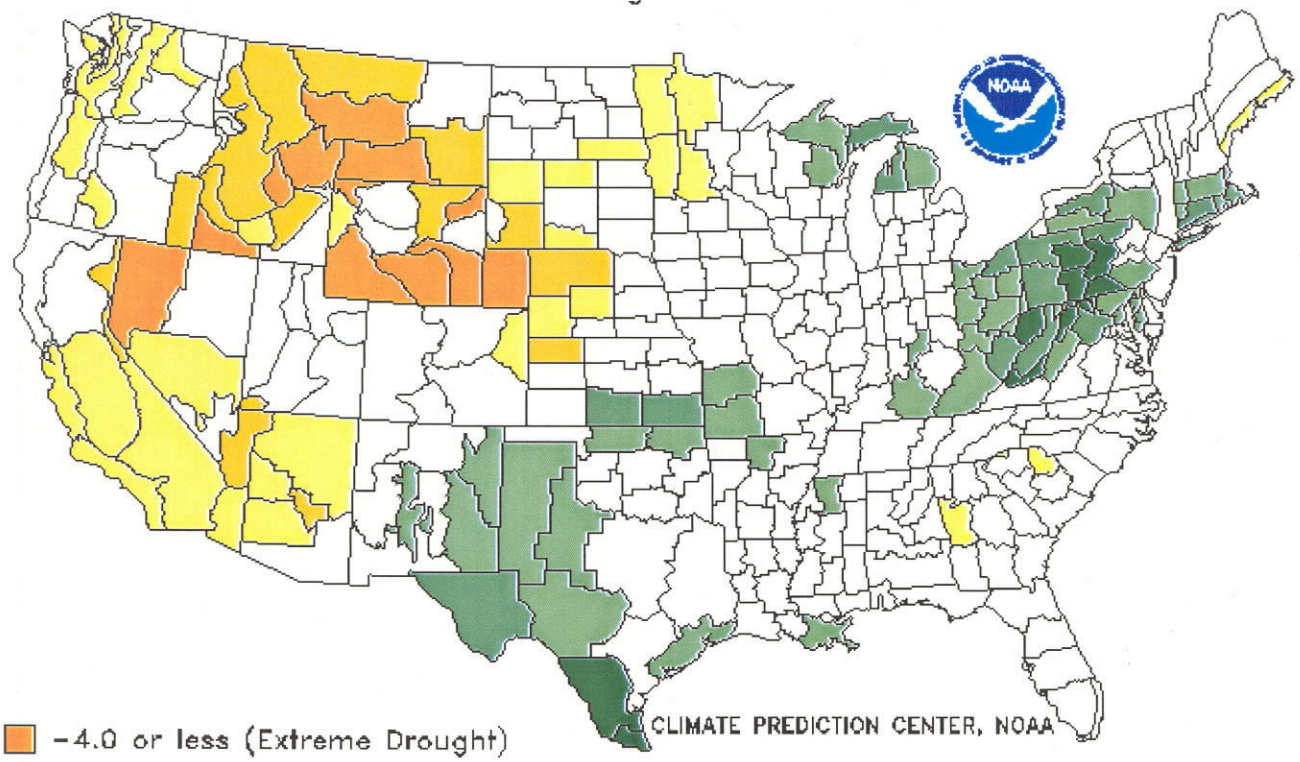
Source: NH DES, Dam Bureau, USGS

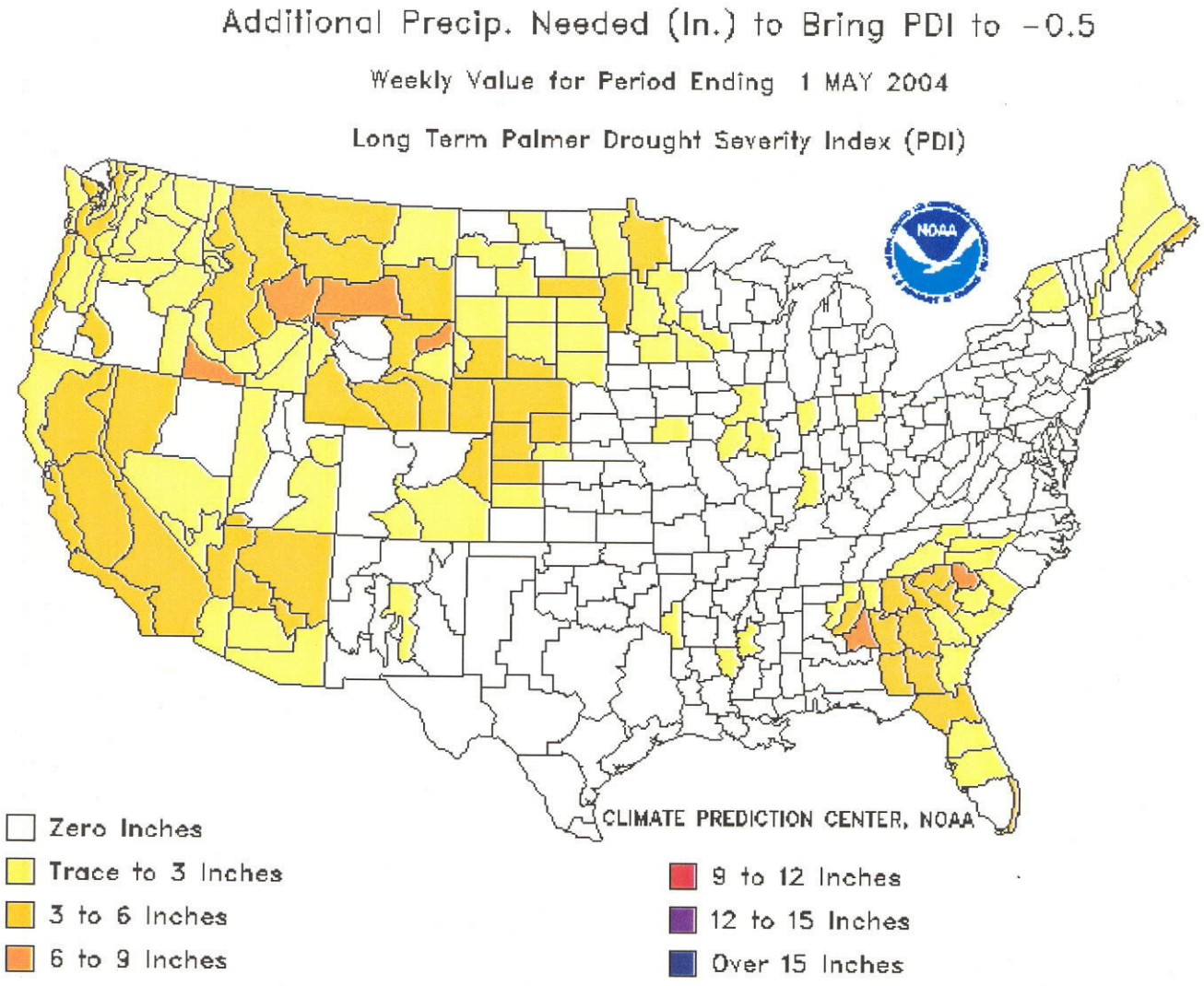
# Drought Severity Index by Division

Weekly Value for Period Ending 1 MAY 2004

Long Term Palmer




- -4.0 or less (Extreme Drought)
- -3.0 to -3.9 (Severe Drought)
- -2.0 to -2.9 (Moderate Drought)
- -1.9 to +1.9 (Near Normal)
- +2.0 to +2.9 (Unusual Moist Spell)
- +3.0 to +3.9 (Very Moist Spell)
- +4.0 and above (Extremely Moist)




This is the amount of rainfall required in a week's time to bring the index back to zero inches required.